

To: Sorrenson - DNR, Allen[allen.sorenson@state.co.us]
From: Way, Steven
Sent: Wed 5/14/2014 5:09:28 PM
Subject: RE: Red and Bonita work

Allen,

The later dates are likely to work better anyway the more I thought about it. We can time it with the Gold King work assuming that I can get that going too. So, that 's what we'll shoot for. I have a job in MT that I'll be starting in mid August but I will have some help if needed to cover that too.

We'll work on the packer equipment. One thing that I have been thinking more about is the possibility of moving the muck out before we drill, etc. Let me know your thoughts on that.

Steve

From: Sorrenson - DNR, Allen [mailto:allen.sorenson@state.co.us]
Sent: Wednesday, May 14, 2014 10:26 AM
To: Way, Steven
Subject: Re: Red and Bonita work

Steve, attached are some documents discussing packer tests, and below are some links to packer suppliers (there are lots of suppliers). I think we'll do single packer tests (as opposed to straddle tests) in three or four holes, drilled to depths of 10-12 feet, two inch diameter. We'll need at least two packers, which we can set at different depths in the holes to run hydraulic conductivity tests. (We only need one packer; the other is a back-up).

<http://www.envisupply.com/environmental/selection-of-inflatable-packers.htm>

http://www.qsppackers.com/index.4-20-11_files/QSPPackersLLCProducts.htm

DRMS does not have a drill, so we'll have to rent a jack leg. The drilling must be done wet, with water delivered through the drill steel to the bit. Other equipment needs:

1. Air compressor and air lines to run the drill and inflate the packers.
2. A pump and water lines that can deliver 200 psi water pressure to the holes behind the packers.
3. A pressure gauge and re-settable totalizing flow meter that will be installed on the water lines that feed the holes behind the packers.

Packer suppliers can set you up with most of this stuff, and provide SOPs.

Maybe for scheduling we should look at later August or early September. I have the project in Ophir and one in Park County both theoretically starting the week of Aug. 4, and no help on the Park County project until Aug. 18.

On Mon, May 12, 2014 at 4:17 PM, Way, Steven <way.steven@epa.gov> wrote:

Allen,

When I was in Silverton last week, I learned that the week of July 28 – August 2 is an event of some kind; jeeps and rednecks or something. Anyway, it may not be a good time to gather as I could only get one room at the Canyon View. So, my concern is getting lodging for the crew to string pipe, etc.

What does the following week do for you, ie., Aug 4. I know that you were anticipating a job starting somewhere in there in Ophir - ?. June will be difficult for me to pull off with our crews and other jobs going right now, and getting things set for the packer testing. Ideally, we'll be able to have things ready to go for you to get in for a day of drilling and then get the packer tests done the following day.

On that matter – packer tests, did you have any information on what is need for conducting those tests. If not we'll start gathering information on it.

Also, do you guys have a drill or shall we plan on renting one?

So, let me know on that schedule options for the R n B.

Thanks,

Steve